William Svoboda *Software Engineer*

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Education

Princeton University   PRINCETON, NEW JERSEY
    A.B. in Computer Science (3.425 GPA)   *Expected May 2022*
        Coursework in Object Oriented Software Development, Advanced Programming Techniques, Database Systems, and Computational Biology

University of Melbourne   MELBOURNE, AUSTRALIA
    Study Abroad (3.85 Semester GPA)   *Spring 2020*

Experience

LitView   REMOTE
    Founding Engineer   *June '20 – July '21*
- Engineered novel research platform (litview.co) using React and Flask
- Utilized scrum workflow to ensure continuous development
- Collaborated with executive, design, and legal teams to realize company vision

Princeton Summer Programming Experience   PRINCETON, NEW JERSEY
    Summer Intern   *June '19 – July '19*
- Designed and developed a substantive application using the Unity game engine
- Presented project as part of program capstone

A complete list of work experience is available at linkedin.com/in/williamsvoboda.

Projects

"Teaching Graph Traversal Visually"   *Spring '21*
- Designed assignment in Python to teach search algorithms
- Developed interactive visualizer and autograder
- Evaluated project with real students as part of spring independent work

Course Websites   *Spring '21*
- Created website framework for Princeton classes using the Eleventy static site generator
- Directed team of three students using Agile project management

"Improving the Marching Cubes Algorithm"   *Fall '20*
- Extended the marching cubes algorithm to real-time terrain deformation
- Compiled a significant written report as part of fall independent work

Awards

Army ROTC Scholarship   *Fall '18*
- Competitive four-year scholarship awarded for merit and grades

Eagle Scout Award   *Fall '15*
- Awarded for extensive service project in local community

Skills

Programming Languages: Java, Python, JavaScript, HTML/CSS, R, SQL, C#

Frameworks & Tools: Flask, React, Git, LaTeX, Unix utilities

Natural Languages: English (*Native*), Spanish (*Proficient*), French (*Elementary Proficiency*)